The Ohio Public Works Commission
65 East State Street, Suite 312, Columbus, Ohio 43215 Phone (614) 466-0880

OHIO PUBLIC WORKS FOR YOU

APPLICATION FOR FINANCIAL ASSISTANCE

Revised 7/93 CB819

IMPORTANT: Applicant should consult the "Instructions for Completion of Project Application" for assistance in the proper completion of this form.

SUBDIVISION: Cincinnati CODE# 061-15000

DISTRICT NUMBER: 2 COUNTY: Hamilton DATE 09/24/93

CONTACT: Joe Walter PHONE # (513) 352-3424

(THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE ON A DAY-TO-DAY BASIS DURING THE APPLICATION REVIEW AND SELECTION PROCESS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

PROJECT NAME: Beekman Street Bridge Rehabilitation over the West Fork Channel

SUBDIVISION TYPE	FUNDING TYPE REQUESTED		PROJECT TYPE
(Check Only 1)	(Check All Requested & Enter Amount)		(Check Largest Component)
_1. County	x 1. Grant	$ 640,000	_1. Road
x 2. City	_2. Loan	$_____	x 2. Bridge/Culvert
_3. Township	_3. Loan Assistance	$_____	_3. Water Supply
_4. Village	MBE SET-ASIDE OFFERED		_4. Wastewater
_5. Water/Sanitary District (Section 6119 O.R.C.)	Construction	$_____	_5. Solid Waste
	Procurement	$_____	_6. Stormwater

TOTAL PROJECT COST:$ 800,000 FUNDING REQUESTED:$ 640,000

DISTRICT RECOMMENDATION

To be completed by the District Committee ONLY

GRANT: $ 640,000.00 LOAN ASSISTANCE: $_____

LOAN: $_____ %___TERM:_____yrs. (Attach Loan Supplement)

(Check Only 1)

X State Capical Improvement Program

__Local Transportation Improvements Program

__Small Government Program

DISTRICT MBE SET-ASIDE

Construction $_____

Procurement $_____

FOR OPWC USE ONLY

PROJECT NUMBER: C___/C___

Local Participation ___%

OPWC Participation ___%

Project Release Date: __/__/__

OPWC Approval: _____

APPROVED FUNDING:$_____

Loan Interest Rate: _____

Loan Term: _____years

Maturity Date: _____

Date Approved: __/__/__

1.0 PROJECT FINANCIAL INFORMATION

1.1 PROJECT ESTIMATED COSTS:
(Round to Nearest Dollar)

			MBE $	Force Account $
a.)	Project Engineering Costs:			
	1. Preliminary Engineering	$_____.00	_____	_____
	2. Final Design	$_____.00	_____	_____
	3. Other Engineer Services *	$_____.00	_____	_____
	Supervision	$_____.00		
	Miscellaneous	$_____.00		
b.)	Acquisition Expenses:			
	1. Land	$_____.00		
	2. Right-of-Way	$_____.00	_____	_____
c.)	Construction Costs:	$ 700,000 .00	_____	
d.)	Equipment Purchased Directly:	$_____.00	_____	_____
e.)	Other Direct Expenses:	$_____.00	_____	
f.)	Contingencies:	$ 100,000 .00		
g.)	TOTAL ESTIMATED COSTS:	$ 800,000 .00		

1.2 PROJECT FINANCIAL RESOURCES:
(Round to Nearest Dollar and Percent)

				%
a.)	Local In-Kind Contributions	$_____.00		___
b.)	Local Public Revenues	$ 160,000 .00		20
c.)	Local Private Revenues	$_____.00		___
d.)	Other Public Revenues			
	1. ODOT PID# _____	$_____.00		___
	2. EPA/OWDA	$_____.00		___
	3. OTHER	$_____.00		___
SUB TOTAL LOCAL RESOURCES:			$ 160,000 .00	20
e.)	OPWC Funds			
	1. Grant	$ 640,000 .00		80
	2. Loan	$_____.00		___
	3. Loan Assistance	$_____.00		___
SUB TOTAL OPWC RESOURCES:			$ 640,000 .00	80
f.)	TOTAL FINANCIAL RESOURCES:		$ 800,000 .00	100%

*Other Engineer's Services must be outlined in detail on the required certified engineer's estimate.

1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a summary from the Chief Financial Officer listed in section 5.2 listing all local share funds budgeted for the project and the date they are anticipated to be available.

2.0 PROJECT INFORMATION

IMPORTANT: If project is multi-jurisdictional, information must be consolidated in this section.

2.1 PROJECT NAME: Beekman Street Bridge Rehabilitation over the West Fork Channel

2.2 PROJECT DESCRIPTION - (Sections a through d):

a: SPECIFIC LOCATION:

Beekman Street Bridge over the West Fork Channel, 320 feet south of Dreman Avenue.

PROJECT ZIP CODE: 45223

b: PROJECT COMPONENTS:

This project involves removing the existing single span concrete superstructure and replacing it with a single span steel beam superstructure, with a new reinforced concrete deck on remodeled abutments. Other work includes new approach slabs and roadway walls, curbs, sidewalk and water main. The existing bridge wingwalls will also be rehabilitated.

c: PHYSICAL DIMENSIONS / CHARACTERISTICS:

Existing and proposed length = 52'
Existing and proposed width = 60.0' (40.0' curb to curb with two 9'-0" walks).

d: DESIGN SERVICE CAPACITY:

IMPORTANT: Detail shall be included regarding current service capacity vs proposed service level. If road or bridge project, include ADT. If water or wastewater project, include both current residential rates based on monthly usage of 7,756 gallon per household. Attach current rate ordinance.

The width of the proposed bridge and roadway will match the width of existing. Proposed width is adequate to handle current and future traffic volumes.

1991 ADT = 8900 vehicles/day
2010 ADT = 13,500 vehicles/day

2.3 USEFUL LIFE / COST ESTIMATE: Project Useful Life: 30 Years.

Attach Registered Professional Engineer's statement, with original seal and signature certifying the project's useful life indicated above and estimated cost.

3.0 REPAIR/REPLACEMENT or NEW/EXPANSION:

TOTAL PORTION OF PROJECT REPAIR/REPLACEMENT	$ 800,000	100%
State Funds Requested for Repair and Replacement	$ 640,000	80%
TOTAL PORTION OF PROJECT NEW/EXPANSION	$	%
State Funds Requested for New and Expansion	$	%

4.0 PROJECT SCHEDULE:* (Revised 8-2-94)

		BEGIN DATE	END DATE
4.1	Engineering/Design:	2/1/93	9/1/94
4.2	Bid Advertisement:	10/1/94	1/1/95
4.3	Construction:	2/2/95	10/2/95

* Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be approved in writing by the Commission once the Project Agreement has been executed. Dates should assume project agreement approval/release on July 1st. of the Program Year applied for.

5.0 APPLICANT INFORMATION:

5.1	CHIEF EXECUTIVE OFFICER	John Shirey
	TITLE	City Manager
	STREET	Room 152, City Hall 801 Plum Street
	CITY/ZIP	Cincinnati, Ohio 45202
	PHONE	(513) 352 - 3241
	FAX	( ) -
5.2	CHIEF FINANCIAL OFFICER	Frank A. Dawson
	TITLE	Director of Finance
	STREET	Room 250, City Hall 801 Plum Street
	CITY/ZIP	Cincinnati, Ohio 45202
	PHONE	(513) 352 - 3731
	FAX	( ) -
5.3	PROJECT MANAGER	Jay Gala, P.E.
	TITLE	Principal Construction Engineer
	STREET	Room 415, City Hall 801 Plum Street
	CITY/ZIP	Cincinnati, Ohio 45202
	PHONE	(513) 352 - 3423
	FAX	(513) 352 - 1581

6.0 ATTACHMENTS/COMPLETENESS REVIEW:

Check each section below, confirming that all required information is included in this application.

__X__ A certified copy of the legislation by the governing body of the applicant authorizing a designated official to submit this application and execute contracts. (Attach)

__X__ A summary from the applicant's Chief Financial Officer listing all local share funds budgeted for the project and the date they are anticipated to be available. (Attach)

__X__ A registered professional engineer's estimate of projects useful life and cost estimate, as required in 164-1-14 and 164-1-16 of the Ohio Administrative Code. Estimates shall contain engineer's original seal and signature. (Attach)

__N/A__ A copy of the cooperation agreement(s) if this project involves more than one subdivision or district.(Attach)

__X__ Capital Improvements Report: (Required by 164 O.R.C. on standard form)

___ A: Attached.

__X__ B: Report/Update Filed with the Commission within the last twelve months.

__N/A__ Floodplain Management Permit: Required if project is in 100 year floodplain. See Instructions.

__X__ Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), and other information to assist your district committee in ranking your project.

7.0 APPLICANT CERTIFICATION:

The undersigned certifies that: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) that to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) that all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving minority business utilization, Buy Ohio, and prevailing wages.

IMPORTANT:Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement on this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding of the project.

Frank A. Dawson, Acting City Manager

Certifying Representative (Type or Print Name and Title)

Signature/Date Signed

City of Cincinnati

Department of Public Works
Division of Engineering

Room 440, City Hall
801 Plum Street
Cincinnati, Ohio 45202

John Hamner
Director

Prem Garg, P.E.
City Engineer

September 24, 1993

SUBJECT: BEEKMAN STREET BRIDGE REHABILITATION OVER THE WEST FORK CHANNEL - CERTIFICATION OF USEFUL LIFE OF ISSUE II OPWC PROJECTS

As required by Chapter 164-1-13 of the Ohio Administrative Code, I hereby certify that the design useful life of the subject bridge rehabilitation project is at least thirty (30) years.

for Jay Gelb

Prem Garg, P.E., City Engineer
City of Cincinnati

STATE OF OHIO
PREM
K.
GARG
39840
REGISTERED
PROFESSIONAL ENGINEER

BEEKMAN STREET BRIDGE OVER THE WEST FORK CHANNEL

SCOPE

For furnishing all the materials, labor and equipment and performing all work necessary to complete the replacement of the Beekman Street Bridge over the West Fork Channel in accordance with the Plans, Specifications, and as directed by the Engineer.

QUANTITIES

It is understood that the quantities are approximate only and in no way shall govern the amount required during the contract period. The estimated quantities indicated will be used solely for the purpose of making a tabulation of the bids.

Where LUMP SUM is indicated, insert the complete price for Labor and Materials for performing all work under the Item. Where UNITS are shown, insert the price PER UNIT for Labor and for Materials.

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATED QUANTITIES	LABOR & MATERIAL	TOTAL
1	103	Contract Bond	Lump Sum	15,000.00	15,000
2	201	Clearing and Grubbing	Lump Sum	5,000.00	5,000
3	202	Wearing Course Removed	900 Sq. Yd.	11.00	9,900
4	202	Obstructions Removed and Replace	Lump Sum	7,000.00	7,000
5	202	Tree Removed	7 Each	500.00	3,500
6	202	Structures Removed	Lump Sum	80,000.00	80,000
7	203	Excavation Not Including Embankment Construction	200 Cu. Yd.	20.00	4,000
8	203	Embankment	300 Cu. Yd.	20.00	6,000
9	205	Special Fill Material	30 Tons	30.00	900
10	253	Pavement Repair	10 Cu. Yd.	150.00	1,500
11	305	9 in. Concrete Base	100 Sq. Yd.	40.00	4,000
12	403	Asphalt Concrete, Leveling Course	30 Cu. Yd.	80.00	2,400
13	404	Asphalt Concrete, Surface Course	30 Cu. Yd.	80.00	2,400
14	503	Cofferdams, Cribs and Sheeting	Lump Sum	30,000.00	30,000
15	503	Unclassified Excavation	100 Cu. Yd.	25.00	2,500
16	509	Epoxy Coated Reinforcing Steel, Grade 60	50,000 Lbs.	0.75	37,500
17	509	Reinforcing Steel, Grade 60	50,000 Lbs.	0.50	25,000
18	510	Dowel Holes	1,000 Lin. Ft.	15.00	15,000

BEEKMAN STREET BRIDGE OVER THE WEST FORK CHANNEL

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATED QUANTITIES	LABOR & MATERIAL	TOTAL
19	511	Class C Concrete, Footings	15 Cu. Yd.	170.00	2,550
20	511	Class C Concrete, Abutments Above Footings	70 Cu. Yd.	400.00	28,000
21	511	Class C Concrete, Reconstruct Existing Walls	100 Cu. Yd.	250.00	25,000
22	511	Class C Concrete, Channel Wall Shaft	15 Cu. Yd.	300.00	4,500
23	511	Class S Concrete, Superstructure	120 Cu. Yd.	400.00	48,000
24	512	Type A Waterproofing	10 Sq. Yd.	20.00	200
25	512	Type B Waterproofing	50 Sq. Yd.	30.00	1,500
26	513	Structural Steel, (AISC Category III)	80,000 Lbs.	0.80	64,000
27	513	Welded Stud Shear Connectors	1,000 Each	3.00	3,000
28	517	Railing (Concrete Parapet with Double Pipe Rail)	170 Lin. Ft.	100.00	17,000
29	517	Railing (Acc. No. 26999)	20 Lin. Ft.	50.00	1,000
30	518	Porous Backfill	200 Cu. Yd.	20.00	4,000
31	518	6 in. Dia. Non-Perforated P.V.C. Pipe	70 Lin. Ft.	10.00	700
32	518	Scuppers, Including Supports	4 Each	300.00	1,200
33	519	Patching Concrete Structures	100 Sq. Ft.	30.00	3,000
34	601	Dumped Rock Fill, Type D (12 in. Thick)	20 Cu. Yd.	60.00	1,200
35	601	Grouted Dumped Rock Fill, Type B (24 in. Thick)	10 Cu. Yd.	75.00	750
36	602	Brick Masonry	1 Cu. Yd.	700.00	700
37	602	Concrete Masonry	1 Cu. Yd.	700.00	700
38	603	12 in. Concrete Pipe, Type H	100 Lin. Ft.	40.00	4,000
39	603	Manholes, Type P (Acc. No. 49001)	1 Each	5,000.00	5,000
40	604	Manholes Adjusted To Grade	4 Each	400.00	1,600

BEEKMAN STREET BRIDGE OVER THE WEST FORK CHANNEL

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATED QUANTITIES	LABOR & MATERIAL	TOTAL
41	604	Double Gutter Inlet (Acc. No. 49013)	4 Each	1,500.00	6,000
42	606	Type 5 Guardrail	100 Lin. Ft.	20.00	2,000
43	606	Type 1 Bridge Terminal Assembly	2 Each	800.00	1,600
44	606	Type 2 Bridge Terminal Assembly	2 Each	800.00	1,600
45	606	Type A Anchor Assembly	2 Each	800.00	1,600
46	606	Type T Anchor Assembly	2 Each	800.00	1,600
47	608	5 in. Concrete Walk	1,700 Sq. Ft.	4.00	6,800
48	609	Concrete Curb, Type B-1	350 Lin. Ft.	7.00	2,450
49	611	Reinforced Concrete Approach Slabs (T = 13 in.)	180 Sq. Yd.	120.00	21,600
50	611	Reinforced Concrete Approach Walk (T = 9 in.)	20 Sq. Yd.	90.00	1,800
51	614	Maintaining Traffic	Lump Sum	20,000.00	20,000
52	614	Barrier Reflectors	6 Each	10.00	60
53	619	Field Office	Lump Sum	30,000.00	30,000
54	627	7 in. Concrete Driveway	1,700 Sq. Ft.	6.00	10,200
55	642	Edge Line	400 Lin. Ft.	1.00	400
56	642	Center Line	200 Lin. Ft.	2.00	400
57	659	Seeding and Mulching	1,500 Sq. Yd.	1.50	2,250
58	660	Sodding with Topsoil	200 Sq. Yd.	15.00	3,000
59	Spec.	Asphalt Driveway	100 Sq. Ft.	10.00	1,000
60	Spec.	Micro-Silica Modified Concrete Overlay (1 1/2 in. Thick) (See Special Provisions)	100 Sq. Yd.	30.00	3,000
61	Spec.	Sealing of Concrete Surfaces (See Special Provisions)	500 Sq. Yd.	10.00	5,000
62	Spec.	Test Slab (See Special Provisions)	Lump Sum	1,420.00	1,420
63	Spec.	Field Painting of New Structural Steel, System OZEU (See Special Provisions)	80,000 Lbs.	0.15	12,000
64	Spec.	Law Enforcement Officer with Patrol Car	20 Hours	30.00	600
65	509	Reinforcing Steel	2,000 Lbs.	2.00	4,000
66	602	Brick Masonry	2 Cu. Yd.	600.00	1,200
67	626	Sheeting and Bracing ordered Left in Place	1 MFBM	2,000.00	2,000
68	1101	Furnishing and Laying 12"Ductile Iron Pipe and Fittings	200 Lin. Ft.	170.00	34,000

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATED QUANTITIES	LABOR & MATERIAL	TOTAL
69	1102	Hauling Water Works Material	5 Ton	40.00	200
70	1110	Concrete Class C	50 Cu. Yd.	150.00	7,500
71	1111	12" Valve Chamber (Pre-Cast)	2 Each	1,500.00	3,000
72	1119	Additional Excavation	50 Cu. Yd.	50.00	2,500
73	1120	Exploratory Excavation	50 Cu. Yd.	50.00	2,500
74	1121	Filling Abandoned Water Works Structures	11 Cu. Yd.	20.00	220
75	502	Temporary Sidewalk Structure	100 Lin. Ft.	50.00	5,000
76	301	Temporary Asphalt Pavement	50 Cu. Yd.	150.00	7,500
77	301	Temporary Asphalt Drive	20 Cu. Yd.	150.00	3,000
78	608	Temporary Asphalt Walk	30 Cu. Yd.	150.00	4,500
79	622	Temporary Concrete Barrier	300 Lin. Ft.	50.00	15,000
80	609	Temporary Asphalt Curb	250 Lin. Ft.	7.00	1,750
81	609	Temporary Concrete Curb	55 Lin. Ft.	10.00	550

Unofficial Total = $700,000

Prem Garg, P.E.
City Engineer
City of Cincinnati

City of Cincinnati

Department of Public Works
Division of Engineering

Room 440, City Hall
801 Plum Street
Cincinnati, Ohio 45202

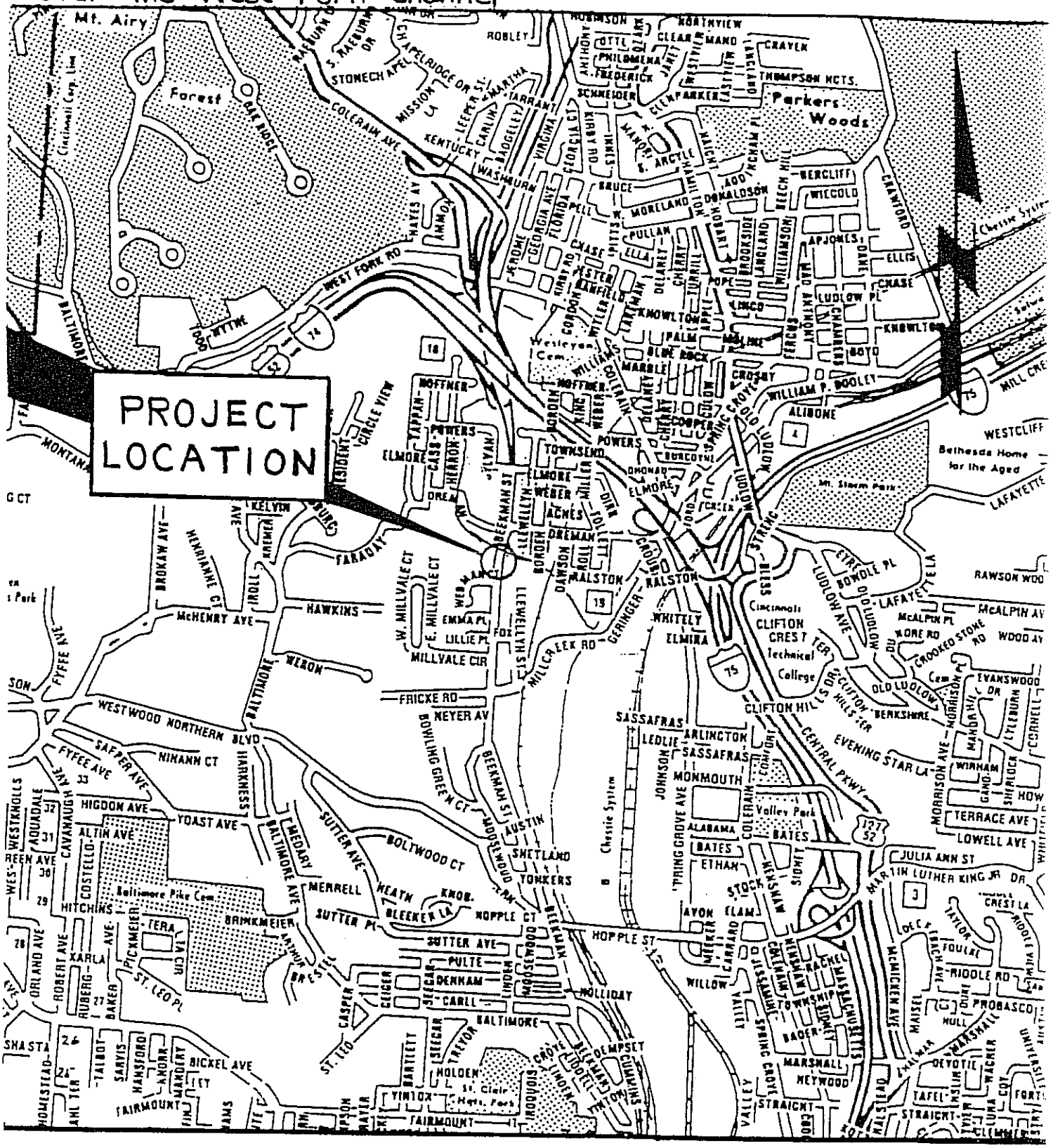
John Hamner
Director

Prem Garg, P.E.
City Engineer

AVAILABILITY OF LOCAL FUNDS

Local share of the project costs will come from Hamilton County Municipal Road Funds which will be available in November, 1993. The Municipal Road Funds come from an annual $5.00 license fee.

Beekman Street Bridge Rehabilitation
over the West Fork Channel



VICINITY MAP

1000 2000 4000 6000

1" = 2000'

STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE INSPECTION REPORT

BR-86 REV. 04-89

STRUCTURE FILE NUMBER: 3 1 3 6 4 2 6

BRIDGE NUMBER: HAM (CO) 01F00 (ROUTE) 29601 (UNIT) YEAR BUILT [illegible]

DISTRICT 08 BRIDGE TYPE 121 TYPE SERVICE 155 BEEKMAN STREET BRIDGE OVER WEST FORK CHANNEL

Item		COND	Item		COND
1 FLOOR: Water sat.; cracks; efflor.; spalls with exposed corr. reinf.	8	3	2 WEARING SURFACE: Asphalt overlayed; cracks (formerly sealed).	40	[illegible]
3 CURBS,SIDWLKS/WLK WAYS:	9	2	4 MEDIAN:	41	
5 RAILING: Impact damage @ SW; cracks and deterioration; does not meet impact standards.	10	3	6 DRAINAGE: No inlets on bridge.	42	
7 EXPANSION JOINTS:	11		8 DECK SUMMARY:	43	5
9 STR.ALIGNMENT: Settlement off both ends of bridge.	12	2	10 BEAMS/GIRDERS/SLAB: Cracks; efflor; spalls with exposed corr. reinf. at curb and fascia beams.	44	[illegible]
11 DIAPHRAGM/CROSSFRAMES: 5 of 8 cracked at center; cracks, efflor. and conc. deter. at most 5.	13	2	12 JOISTS/STRINGERS:	45	
13 FLOOR BEAMS:	14		14 FLOOR BEAM CONNECTIONS:	46	
15 : Recommended Maintenance & Repairs 1) Replace superstructure and perform gunite repairs to	15		16 :	47	
substructure. OR, if not done in the near future then: a) Repair concrete sidewalk & curb.	16		18 :	48	
b) Gunite repair beams at curbline. c) Trim weeds and bush overgrowth at approaches (not a	17		20 :	49	
bridge related repair). d) Replace railing.	18		22 :	50	
	19		24 BEARING DEVICES:	51	
25 ARCH:	20		26 ARCH COLUMNS/HANGERS:	52	
27 SPANDREL WALLS:	21		28 PAINT (YEAR/CONDITION):	53	
29 PINS/HANGERS/HINGES:	22		30 FAT/PRONE CONNECTIONS:	56	
31 LIVE LOAD RESPONSE:	23	5	32 SUPERSTRUCTURE SUMMARY: Curb beams are worthy of a 5 rating; redundant; not fatigue prone.	57	4
33 ABUTMENTS: Cracks; efflor; spalls; deter. conc.	24	2	34 ABUTMENT SEATS: None integral.	58	
35 PIERS:	25		36 PIER SEATS:	59	
37 BACKWALLS:	26		38 WINGWALLS: Spalls; cracks; efflor; conc. deter..	60	2
39 FENDERS AND DOLPHINS:	27		40 SUB.SCOUR: Concrete box channel. 1	61	1
41 : Inspection satisfies AASHTO Manual for Maintenance Inspection of Bridges, "Routine Inspection" requirements.	28	-	42 SUBSTRUCTURE SUMMARY:	63	5
43 GENERAL:	29		44 CUL.ALIGNMENT:	64	
45 SHAPE:	30		46 SEAMS:	65	
47 HEADWALLS OR ENDWALLS:	31		48 CUL.SCOUR:	66	
49 : Not all main structural members were inspected within an "arms reach" distance.	32		50 CULVERTS SUMMARY:	67	
51 CHA.ALIGNMENT:	33	1	52 PROTECTION: Offset at joints; cracks in walls and floor; exten. conc. deter at joints.	68	[illegible]
53 WATERWAY ADEQUACY:	34	1	54 CHANNEL SUMMARY: Concrete box channel.	69	5
55 PAVEMENT: Cracks, asphalt deter.	35	2	56 APPROACH SLABS: None Apparent.	70	
57 GUARDRAIL: Disassembled at N.E. for sewer construction.	36	3	58 RELIEF JOINTS: None provided.	71	
59 EMBANKMENT: erosion	37	1	60 APPROACHES SUMMARY: Approach walks settled (2" at NW; 2-3/4" at SW.)	72	5
61 NAVIGATION LIGHTS:	38		62 WARNING SIGNS:	73	
63 VERTICAL CLEARANCE:	39	N	64 GEN/APPRAIS/OPERATIONS:	74	COND 5 / STAT A

65. INSPECTED BY [signature] P.E. AUG 1 [illegible] 1993 INITIALS (76): C N

66. REVIEWED BY ____ SIGNED INITIALS (78): ____

CHRISTIAN H. [illegible], P.E.
COUNTY 85
COUNTY INSP. RESP.

DATE (80–85): 0 2 1 0 9 3

67. SURVEY (86–93): 0 0 0 0 1 N N N

DATE (94–99): ____

DOT 2852
CDC (Rev 11/91)

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF TRAFFIC ENGINEERING

Date 7/13/93
By SM
Approved

Traffic Projection Data

Roadway Beekman Street

From West Fork Channel To Dreman St.

I. Existing Traffic Data

Count No. 91-0251 Date 11-4-91 Duration 24hr Volume 4426

Count No. 91-0250 Date 11-4-91 Duration " Volume 4467

Count No. _____ Date _____ Duration _____ Volume _____

Existing ADT = 8893

Peak Hour Highest Volume

EB or (NB) $4^{30}-5^{30}$ A.M. or (P.M) 489

WB or (SB) " A.M. or (P.M) 293

Existing highest hourly volume = 782

K = Design hour % of ADT = 8.8 %

D = Design hour % predominate direction = 62.5 %

Truck (B & C) Bus Route Yes = 8 %

Truck Terrain Factor = 2

II. Design Year Calculation

Design Year 2010 = expansion factor of 1.4

Design Year ADT (Normal Growth) = 12,450

Design Year ADT (Generated by planned development) —

Design Year (B & C) Trucks = 8 % = 996

Design Year (P & A) = 11,454

T = Design Year Adj. (B & C) X 2 = 1992

Design Year ADT = 13,446

III. Design Year Hourly Volume

Design hour $4^{30}-5^{30}$ A.M. or (P.M.) - % ADT 8.8 %

D % Design hour traffic in predominate direction 62.5 %

Design Hourly Volume = 1183

CITY OF CINCINNATI TRAFFIC COUNTS 1991

FROM S.ON BEEKMAN ST

on S.OF BRENAN AV

ection NORTHBOUND

NB

FILE: 91-0250

DATE: 11/04/91

TIME BEGIN	MONDAY - 4 AM	MONDAY - 4 PM	TUESDAY - 5 AM	TUESDAY - 5 PM	WEDNESDAY - 6 AM	WEDNESDAY - 6 PM	Daily Average AM	Daily Average PM
12:00	*	*	22	93	*	*	22	93
12:15	*	*	13	67	*	*	13	67
12:30	*	*	11	79	*	*	11	79
12:45	*	*	11	66	*	*	11	66
1:00	*	*	7	69	*	*	7	69
1:15	*	*	5	74	*	*	5	74
1:30	*	*	3	79	*	*	3	79
1:45	*	*	6	65	*	*	6	65
2:00	*	*	5	82	*	*	5	82
2:15	*	*	8	82	*	*	8	82
2:30	*	*	6	87	*	*	6	87
2:45	*	*	3	71	*	*	3	71
3:00	*	110	6	106	*	*	6	108
3:15	*	90	5	*	*	*	5	90
3:30	*	134	7	*	*	*	7	134
3:45	*	115	3	*	*	*	3	115
4:00	*	118	5	*	*	*	5	118
4:15	*	112	4	*	*	*	4	112
4:30	*	125	6	*	*	*	6	125
4:45	*	114	7	*	*	*	7	114
5:00	*	126	11	*	*	*	11	126
5:15	*	124	9	*	*	*	9	124
5:30	*	90	13	*	*	*	13	90
5:45	*	75	15	*	*	*	15	75
6:00	*	67	24	*	*	*	24	67
6:15	*	51	26	*	*	*	26	51
6:30	*	54	42	*	*	*	42	54
6:45	*	49	43	*	*	*	43	49
7:00	*	50	37	*	*	*	37	50
7:15	*	42	44	*	*	*	44	42
7:30	*	49	62	*	*	*	62	49
7:45	*	36	37	*	*	*	37	36
8:00	*	28	53	*	*	*	53	28
8:15	*	33	57	*	*	*	57	33
8:30	*	35	48	*	*	*	48	35
8:45	*	30	37	*	*	*	37	30
9:00	*	39	60	*	*	*	60	39
9:15	*	23	55	*	*	*	55	23
9:30	*	33	76	*	*	*	76	33
9:45	*	22	52	*	*	*	52	22
10:00	*	27	57	*	*	*	57	27
10:15	*	23	64	*	*	*	64	23
10:30	*	29	60	*	*	*	60	29
10:45	*	23	43	*	*	*	43	23
11:00	*	18	60	*	*	*	60	18
11:15	*	18	51	*	*	*	51	18
11:30	*	17	56	*	*	*	56	17
11:45	*	16	75	*	*	*	75	16
TOTALS	* 2145	2144	1410	1020	2430	* *	-2 1410	3057 4467
PEAK HOUR	* 4:30		9:30	2:15		* *	9:30	4:30
VOLUME	* 489		249	346		* *	249	489
P.H.F.	* 0.97		0.82	0.82		* *	0.82	0.97

487

249

CITY OF CINCINNATI TRAFFIC COUNTS 1991

PAGE: 1

: FROM N ON BEEKMAN ST

on : N OF DRENAN AV

ection : SOUTHBOUND

SP

FILE: 91-0251

DATE: 11/04/91

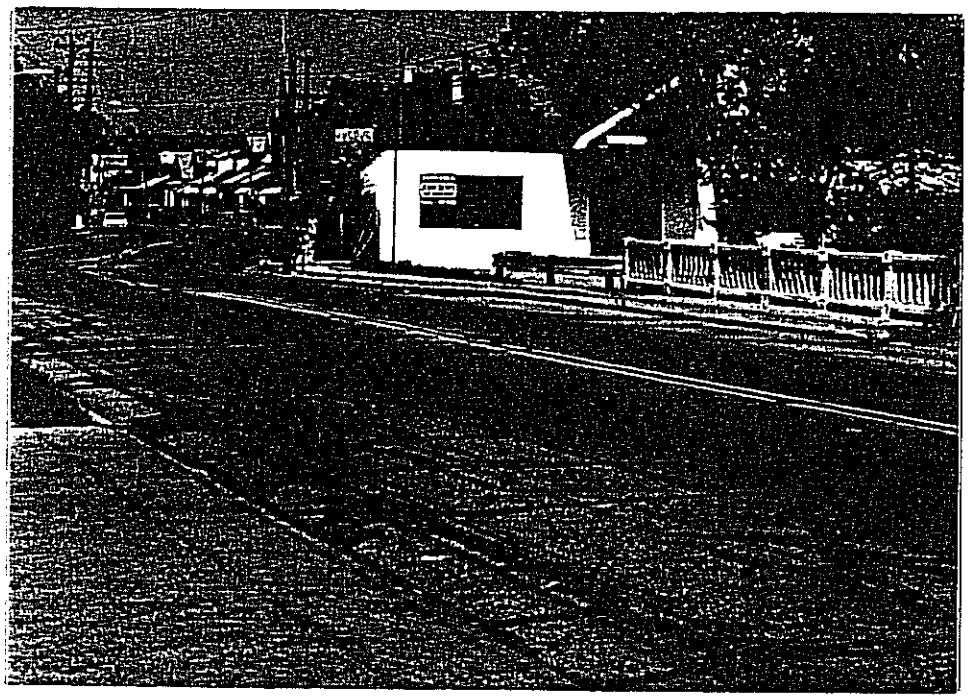
TIME BEGIN	MONDAY - 4 AM	MONDAY - 4 PM	TUESDAY - 5 AM	TUESDAY - 5 PM	WEDNESDAY - 6 AM	WEDNESDAY - 6 PM	Daily Average AM	Daily Average PM
12:00	*	*	10	72	*	*	10	72
12:15	*	*	15	83	*	*	15	83
12:30	*	*	11	59	*	*	11	59
12:45	*	*	9	87	*	*	9	87
1:00	*	*	8	92	*	*	8	92
1:15	*	*	6	69	*	*	6	69
1:30	*	*	7	68	*	*	7	68
1:45	*	*	7	86	*	*	7	86
2:00	*	*	4	77	*	*	4	77
2:15	*	*	5	83	*	*	5	83
2:30	*	*	2	86	*	*	2	86
2:45	*	*	1	94	*	*	1	94
3:00	*	86	4	67	*	*	4	76
3:15	*	104	3	*	*	*	3	104
3:30	*	87	3	*	*	*	3	87
3:45	*	82	2	*	*	*	2	82
4:00	*	82	1	*	*	*	1	82
4:15	*	86	3	*	*	*	3	86
4:30	*	72	3	*	*	*	3	72
4:45	*	70	9	*	*	*	9	70
5:00	*	82	13	*	*	*	13	82
5:15	*	69	8	*	*	*	8	69
5:30	*	74	26	*	*	*	26	74
5:45	*	62	25	*	*	*	25	62
6:00	*	50	34	*	*	*	34	50
6:15	*	49	45	*	*	*	45	49
6:30	*	59	71	*	*	*	71	59
6:45	*	42	76	*	*	*	76	42
7:00	*	58	82	*	*	*	82	58
7:15	*	32	93	*	*	*	93	32
7:30	*	31	96	*	*	*	96	31
7:45	*	31	109	*	*	*	109	31
8:00	*	31	77	*	*	*	77	31
8:15	*	32	75	*	*	*	75	32
8:30	*	28	77	*	*	*	77	28
8:45	*	24	50	*	*	*	50	24
9:00	*	38	69	*	*	*	69	38
9:15	*	34	60	*	*	*	60	34
9:30	*	30	65	*	*	*	65	30
9:45	*	18	46	*	*	*	46	18
10:00	*	21	44	*	*	*	44	21
10:15	*	37	56	*	*	*	56	37
10:30	*	23	41	*	*	*	41	23
10:45	*	19	63	*	*	*	63	19
11:00	*	28	49	*	*	*	49	28
11:15	*	25	51	*	*	*	51	25
11:30	*	31	59	*	*	*	59	31
11:45	*	14	66	*	*	*	66	14
TOTALS	*	1741 1740	1739	1023 2762	*	* -2	1739	2687 4426
PEAK HOUR	*	3:00	7:00	2:00	*	*	7:00	2:45
VOLUME	*	359	380	340	*	*	380	361
P.H.F.	*	0.86	0.87	0.90	*	*	0.87	0.87

355

293

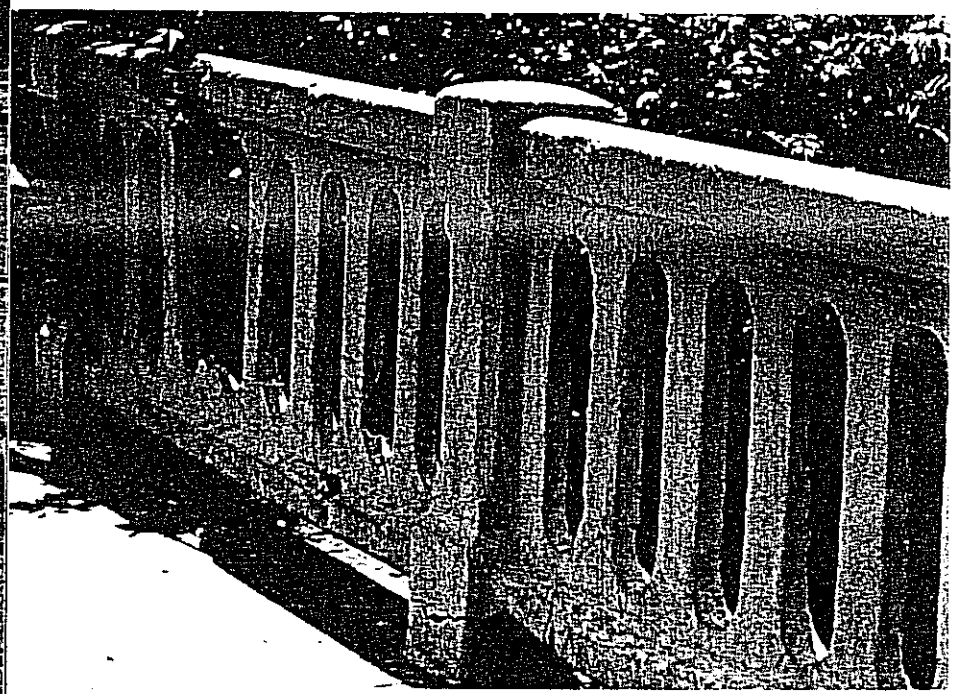
390

BEEKMAN STREET BRIDGE OVER THE WEST FORK CHANNEL

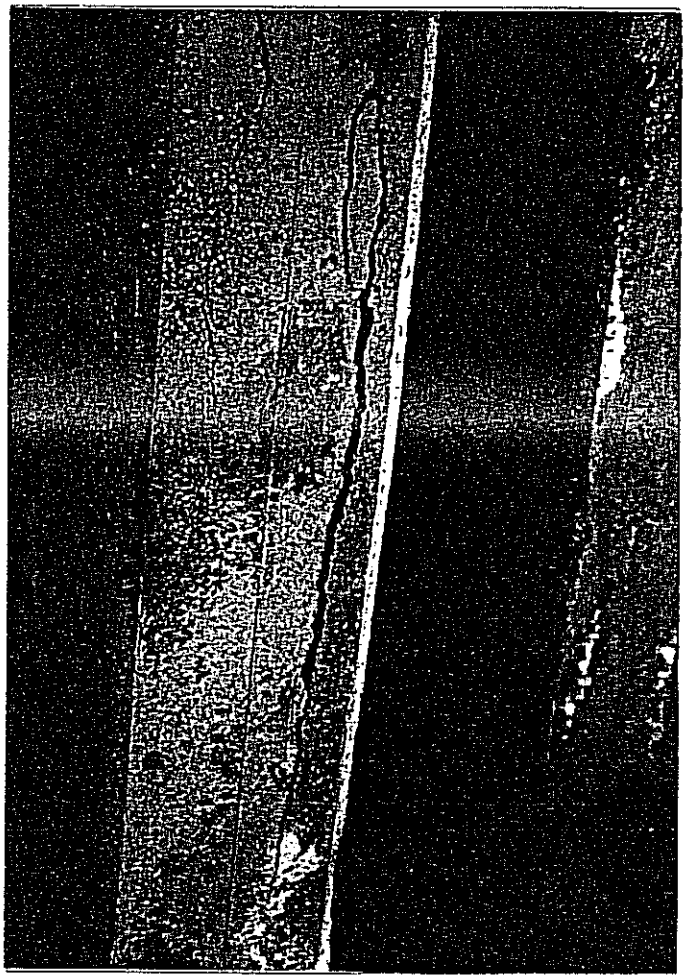


Asphalt overlayed Bridge Deck

ow curb height. Cracked
nd patched bridge sidewalk.



Railing damage from impact.



Delaminated, cracked and spalled concrete beams. Exposed and severely corroded reinforcing steel on bottom of bridge deck.

Water ponding on settled approach pavement.

ADDITIONAL SUPPORT INFORMATION

For Program Year 1994 (July 1, 1994 through June 30, 1995), jurisdictions shall provide the following support information to help determine which projects will be funded. Information on this form must be accurate, and where called for, based on sound engineering principles. Documentation to substantiate the individual items may be required by the Support Staff if information does not appear to be accurate.

1) What is the condition of the existing infrastructure to be replaced, repaired, or expanded? For bridges, submit a copy of the current State form BR-86.

Closed _____ Poor _____

Fair __X__ Good _____

Give a brief statement of the nature of the deficiency of the present facility such as: inadequate load capacity (bridge); surface type and width; number of lanes; structural condition; substandard design elements such as berm width, grades, curves, sight distances, drainage structures, or inadequate service capacity. If known, give the approximate age of the infrastructure to be replaced, repaired, or expanded.

Please see attached sheet.

2) If State Issue 2 funds are awarded, how soon (in weeks or months) after receiving the Project Agreement from OPWC (tentatively set for July 1, 1994) would the project be under contract? The Support Staff will be reviewing status reports of previous projects to help judge the accuracy of a particular jurisdiction's anticipated project schedule.

1 month

Are preliminary plans or engineering completed? (Yes) No

Are detailed construction plans completed? (Yes) No

Are all right-of-way and easements acquired? Yes (No) N/A

Are all utility coordinations completed? Yes (No) N/A

Give an estimate of time, in weeks or months, to complete any item above not yet completed. 4 months

BEEKMAN STREET BRIDGE REHABILITATION
OVER THE WEST FORK CHANNEL

ADDITIONAL SUPPORT INFORMATION

1.)

a.) The bottom of the concrete deck and concrete beams at the curb line and fascia are severely cracked and spalled with exposed corroded reinforcing steel.

b.) The curb height on the existing bridge is 3 to 4 inches which is too low to protect pedestrians. The concrete railing on the existing bridge is deteriorated and does not meet present design impact requirements. The proposed superstructure will have 10" high curbs with the ODOT Standard Bridge sidewalk railing.

c.) The approach pavement has settled causing ponding water. This problem will be corrected with this project.

d.) The Beekman Street Bridge was built in 1911 and is 82 years old.

3) How will the proposed project impact the general health, safety and welfare of the service area? (Typical examples may include the effects of the completed project on accident rates, emergency response time, fire protection, health hazards, user benefits, and commerce.) Please be specific and provide documentation if necessary to substantiate the data.

The curb height and railing thickness of the existing bridge is inadequate and is a safety hazard. Additionally, the settled pavement results in the accumulation and ponding of water. The new bridge will be built in accordance with current standards.

4) What type of funds are to be utilized for the local share for this project?

Federal	_____	ODOT	_____	Local	_____
MRF	X	OWDA	_____	CD	_____
Other	_____				

Note: If MRF funds are being used for the local share, the MRF application must have been filed by August 1, 1993 for this project with the Hamilton County Engineer's Office.

The minimum amount of matching funds for grant projects (local share) must be at least 10% of the TOTAL CONSTRUCTION COST. What percentage of matching funds are being committed to this project?

20 %

5) Has any formal action by a federal, state, or local government agency resulted in a complete or partial ban of the use or expansion of use for the involved infrastructure? (Typical examples include weight limits, truck restrictions, and moratoriums or limitations on issuance of building permits.) A copy of the legislation must be submitted with the application. THE BAN MUST HAVE AN ENGINEERING JUSTIFICATION TO BE VALID.

Complete Ban _____ Partial Ban _____ No Ban X

Will the ban be removed after the project is completed?

Yes _____ No _____

6) What is the total number of existing users that will benefit as a result of the proposed project?

10,680

For roads and bridges, multiply current documented Average Daily Traffic by 1.20. For public transit, submit documentation substantiating the count. Where the facility currently has any restrictions or is partially closed, use documented traffic counts prior to the restriction. For storm sewers, sanitary sewers, water lines, and other related facilities, multiply the number of households in the service area by 4.

7) Has the jurisdiction developed a Five Year Capital Improvement Plan as required in O.R.C., chapter 164? (This must be included with the application to be considered for funding.)

Yes X No _____

8) Give a brief statement concerning the regional significance of the infrastructure to be replaced, repaired, or expanded.

Beekman Street is in the Mill Creek industrial valley. This bridge is located less than 1 mile from Interstate 74 and handles interstate overflow traffic.

STATE CAPITAL IMPROVEMENT PROGRAM

LOCAL TRANSPORTATION IMPROVEMENT PROGRAM

ROUND NO. 8

PROGAM YEAR 1994 PROJECT SELECTION CRITERIA - JULY 1, 1994 TO JUNE 30, 1995

ADOPTED BY THE DISTRICT 2 INTEGRATING COMMITTEE

JULY 16, 1993

JURISDICTION/AGENCY: City of Cincinnati

NAME OF PROJECT: Beekman St. Bridge Rehab.

TOTAL POINTS FOR THIS PROJECT: ~~35~~ 49

NO. POINTS

10 ~~10~~ 7 1) If SCIP/LTIP Funds are granted, when would the construction contract be awarded? (The Support Staff will assign points based on engineering experience.)

10 Points - Will be under contract by December 31, 1994

5 Points - Will be under contract by March 30, 1995

0 Points - Will not be under contract by March 30, 1995

12 2) What is the condition of the infrastructure to be replaced or repaired? For bridges, base condition on latest general appraisal and condition rating.

20 Points - Poor Condition
16 Points -
12 Points - Fair to Poor Condition
8 Points -
4 Points - Fair Condition

NOTE: If the infrastructure is in "good" or better condition it will NOT be considered for SCIP/LTIP funding, unless it is a betterment project that will improve serviceability.

30

2 3) If the project is built, what will be its effect on the facility's serviceability?

10 Points - Significant effect (e.g., widen to and add lanes along entire project)
8 Points - Moderate to significant effect
6 Points - Moderate effect (e.g., widen exist. lanes)
4 Points - Moderate to little effect
2 Points - Little or no effect (e.g., street or bridge deck rehabilitation)

10 4) How important is the project to HEALTH, SAFETY, AND WELFARE of the public and the citizens of the District and/or service area?

10 Points - Highly significant importance, with substantial impact on all 3 factors
8 Points - Considerably significant importance, with substantial impact on 2 factors OR noticeable impact on all 3 factors
6 Points - Moderate importance, with substantial impact on 1 factor or noticeable impact on 2 factors
4 Points - Minimal importance, with noticeable impact on 1 factor
2 Points - No measurable impact

10 5) What is the overall economic health of the jurisdiction?

10 Points - Poor
8 Points -
6 Points - Fair
4 Points -
2 Points - Excellent

2 6) What matching funds are being committed to the project, expressed as a percentage of the TOTAL CONSTRUCTION COST? Loan and Credit Enhancement projects automatically receive 5 points, and no match is required. All grant funded projects require a minimum of 10% matching funds.

5 Points - 50% or more
4 Points - 40% to 49.99%
3 Points - 30% to 39.99%
2 Points - 20% to 29.99%
1 Point - 10% to 19.99%

16

0 7) Has any formal action by a federal, state, or local government agency resulted in a partial or complete ban of the usage or expansion of the usage for the involved infrastructure? POINTS MAY ONLY BE AWARDED IF THE END RESULT OF THE PROJECT WILL CAUSE THE BAN TO BE LIFTED.

5 Points - Complete or significant ban
3 Points - Partial or moderate ban
0 Points - No ban of any kind

5 8) What is the total number of existing daily users that will benefit as a result of the proposed project? Appropriate criteria include current traffic counts, households served, when converted to a measurement of persons. Public transit users are permitted to be counted for roads and bridges, but only when certifiable ridership figures are provided.

5 Points - 10,000 or more
4 Points - 7,500 to 9,999
3 Points - 5,000 to 7,499
2 Points - 2,500 to 4,999
1 Point - 2,499 and under

3 9) Does the infrastructure have REGIONAL impact? Consider origins and destinations of traffic, functional classification, size of service area, number of jurisdictions served, etc.

5 Points - Major impact (e.g., major multi-jurisdictional route, primary feed route to an Interstate, Federal - Aid Primary routes)
4 Points -
3 Points - Moderate impact (e.g., principal thoroughfares, Federal - Aid Urban routes)
2 Points -
1 Point - Minimal or no impact (e.g., cul-de-sacs, subdivision streets)

2 10) Has the jurisdiction enacted the optional $5 license plate fee, an infrastructure levy, a user fee, or a dedicated tax for infrastructure?

2 Points - Two of the above
1 Point - One of the above
0 Points - None of the above

10